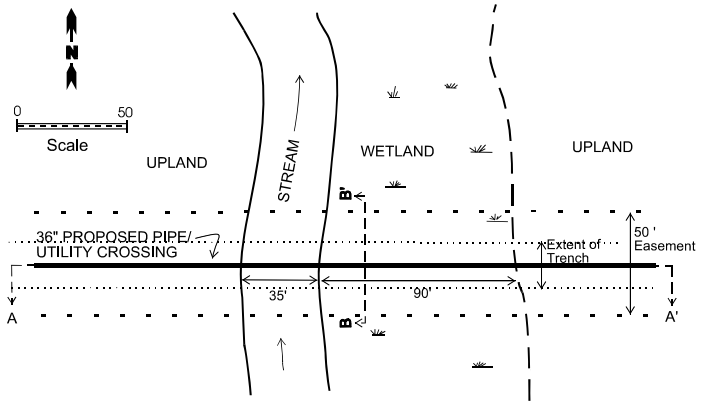
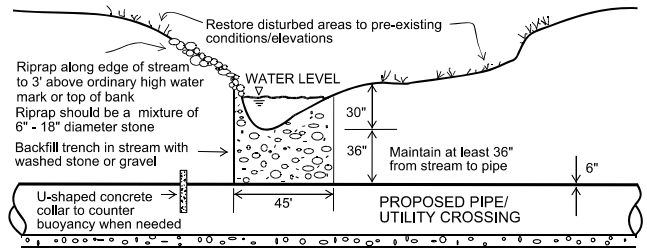
Sample Drawing 12



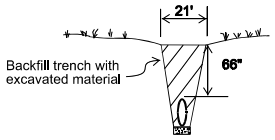
PLAN DRAWING



CROSS SECTION A-A'

6" Bed of sand or gravel

Cross Section Scale
0 50'
Horizontal
0 6'
Vertical



CROSS SECTION B-B'

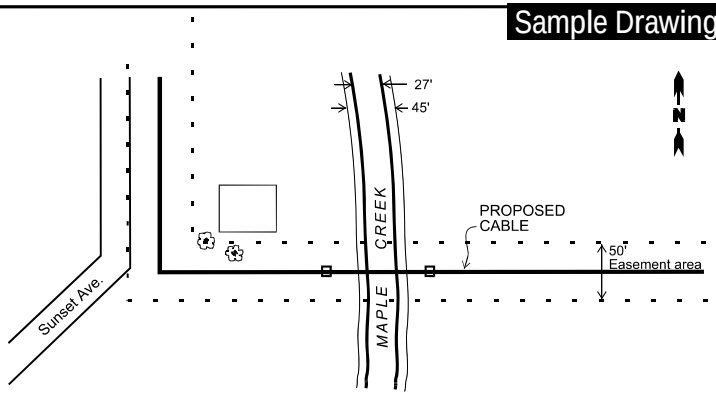
PROPOSED PIPE/UTILITY CROSSING
IN A TRENCH

APPLICANT:
WATERWAY:
CITY/TOWNSHIP:
COUNTY:
NUMBER OF SHEETS: ___ OF ___
DATE:

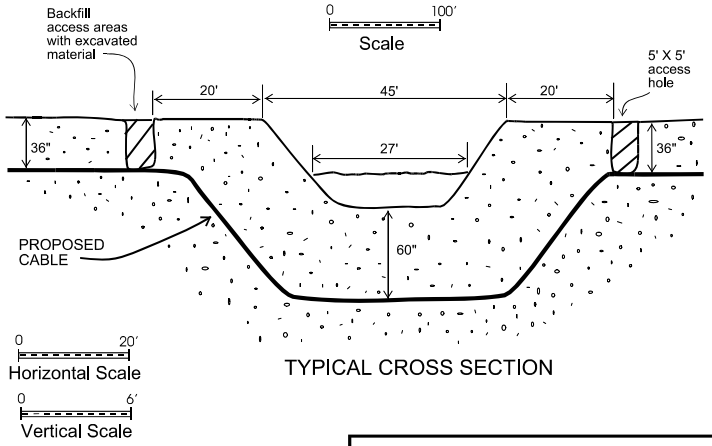
Complete Section 18 and Sections 10A, 10B, 10C, 12, and 13 if applicable to your project.
Provide *plan view* and cross-section site-specific drawings adequate for detailed review, include:

- ❑ Overall site plan showing existing lakes, streams, wetlands, *floodplains*, and other water features.
- ❑ Name of waterbodies, property boundaries, easement boundaries, neighboring property owner information, *soil erosion and sedimentation control measures* and datum used (NGVD 29 or local).
- ❑ Location and dimensions (ft) of proposed excavation in both *plan* and *cross-section* views. Calculate excavation volume (cu yd) by multiplying average (depth) x (width) x (length) in feet and dividing by 27.
- ❑ Location of disposal area in upland above the 100-year *floodplain.* If spoils will be disposed of off-site attach a detailed location. If temporary sidecasting, show location and dimensions.
- ❑ Proposed backfill material and source.
- ❑ Proposed installation method (i.e., *flume,* plow, open trench).
- ❑ Pipe diameter, length, and distance below streambed for each crossing.
- ❑ Purpose of crossing (i.e. sanitary sewer, storm sewer, watermain, cable, oil/gas pipeline, etc.)

Sample Drawing 13



PLAN VIEW



TYPICAL CROSS SECTION

0 20'
Horizontal Scale
0 6'
Vertical Scale

PROPOSED DIRECTIONAL BORE
STREAM CROSSING

APPLICANT:
WATERWAY:
CITY/TOWNSHIP: SECTION: ___
COUNTY:
NUMBER OF SHEETS: ___ OF ___
DATE:

Complete Section 18 and Sections 10A, 10B, 10C, 12, and 13 if applicable to your project.
Provide *plan view* and *cross-section* site-specific drawings adequate for detailed review, include:

- ❑ Overall site plan showing existing lakes, streams, wetlands, *floodplains*, and other water features.
- ❑ Name of waterbodies, property boundaries, easement boundaries, neighboring property owner information, and *soil erosion and sedimentation control measures*.
- ❑ Excavation dimensions (ft) for drilling or boring inlet and outlet points in both *plan* and *cross-section* views. Calculate excavation volume (cu yd) by multiplying average (depth) x (width) x (length) in feet and dividing by 27.
- ❑ Proposed construction method (i.e., jack and bore or directional drill).
- ❑ Pipe diameter, length, and distance below streambed for each crossing.
- ❑ Purpose of crossing (i.e. sanitary sewer, storm sewer, watermain, cable, oil/gas pipeline, etc.)